



01-20-03

1724\$

Express Mail No.: EL 451 599 394 US

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of: Chang *et al.*Application No.: 10/052,451⁴²¹

Group Art Unit: 1724

Filed: January 17, 2002

Examiner: Lawrence Jr., Frank M.

For: *Method and Apparatus for Renewable
Mercury Sorption*

Attorney Docket No.: 9842-271-999

TECHNOLOGY CENTER 1700

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FEE TRANSMITTAL SHEET

Assistant Commissioner for Patents
Washington, D.C. 20231

Sir:

The fee required to be filed with the accompanying amendment of even date herewith concerning the above-identified application has been estimated to be \$168.

The claim amendment fee has been estimated as shown below:

| (Col. 1) | | (Col. 2) | | (Col. 3) | | SMALL ENTITY | | OTHER THAN A SMALL ENTITY | |
|--|----|--------------------------------------|----|------------------|-------|---------------|----|------------------------------|---------------|
| CLAIMS REMAINING AFTER AMENDMENT | | HIGHEST NO PREVIOUSLY PAID FOR | | PRESENT EXTRA | RATE | ADDIT. FEE | OR | RATE | ADDIT. FEE |
| TOTAL | 17 | MINUS | 20 | = | 0 | × 9 | \$ | × 18 | \$ 0.00 |
| INDEP. | 5 | MINUS | 3 | = | 2 | × 42 | \$ | × 84 | \$ 168.00 |
| <input type="checkbox"/> FIRST PRESENTATION OF MULTIPLE DEP. CLAIM | | | | | 140 | \$ | | 280 | \$ |
| | | | | | TOTAL | \$ | OR | TOTAL | \$ 168.00 |

Please charge the required fee to Pennie & Edmonds LLP Deposit Account No. 16-1150.
A copy of this sheet is enclosed.

Respectfully submitted,

Date January 16, 2003
David R. Owens

40,756

(Reg. No.)

for Gary S. Williams
PENNIE & EDMONDS LLP
3300 Hillview Avenue
Palo Alto, CA. 94304
(650) 493-4935

31,066

Enclosure



Express Mail No.: EL 451 599 394 US

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Application of: Chang *et al.*

Serial No.: 10/052,421

Group Art Unit: 1724

Filed: January 17, 2002

Examiner: Lawrence Jr., Frank M.

For: *Method and Apparatus for
Renewable Mercury Sorption*

Atty Docket No.: 9842-271-999

AMENDMENT AND RESPONSE TO OFFICE ACTION

Honorable Commissioner for Patents
Washington, D.C. 20231

01/22/2003 EFLORES 00000004 161150 10052421
01 FC:1201 168.00 CH

Sir:

In response to the Office Action mailed October 17, 2002, please amend the
above identified application as follows:

In the Claims

Please amend Claims 1, 3 and 5 as follows:

1. (Amended Once) A method for removing a vapor-phase contaminant from a contaminated gas stream in a duct, said method comprising:
- coating fresh sorbent onto a surface of a sorbent structure positioned inside a gas duct;
 - passing a contaminated gas stream comprising a vapor-phase contaminant through said gas duct and over said surface of said sorbent structure having said fresh sorbent thereon so that said vapor-phase contaminant is adsorbed by said fresh sorbent until saturated sorbent is produced;
 - periodically removing said saturated sorbent from said sorbent structure and collecting said saturated sorbent outside of said gas duct; and
 - repeating said coating with a new quantity of fresh sorbent.

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Void date: 01/22/2003 EFLORES

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